

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1-11. (Cancelled)

12. (Previously Presented) A protective circuit comprising:

a first transceiver to connect to a first network section;

a second transceiver to connect to a second network section; and

a logic isolation circuit to isolate a network section from a bus system network using logic when a fault state is recognized in the network section, the logic isolation circuit comprising

a reception multiplexer having a first signal input connected to the first transceiver receiver and a second signal input to receive a logically recessive transmission signal; and

a transmission multiplexer having a signal output connected to one of the transceiver transmitters and a first signal input connected to a signal output of the reception multiplexer for the transceiver receiver, wherein a logically recessive transmission signal is applied to the second signal input of the multiplexer;

wherein a first transceiver receiver in the first transceiver recognizes a fault state in the first network section, and a second transceiver receiver in the second transceiver recognizes a fault state in the second network section, and the logic isolation circuit includes logic signal inputs to connect to both receivers and logic signal outputs to connect to transceiver transmitters.

13. (Canceled)

14. (Previously Presented) The protective circuit of claim 12 wherein the logic isolation circuit blocks a dominant transmission signal from the first network section.

15. (Previously Presented) The protective circuit of claim 12 wherein the logic isolation circuit blocks a dominant transmission signal to the second network section.

16. (Previously Presented) The protective circuit of claim 12 further comprising a fault bus to connect the logic isolation circuit to control nodes in the bus system network, wherein the fault bus provides information data to the control nodes indicating that the network section recognized as faulty has been isolated from the bus system network.

17. (Previously Presented) The protective circuit of claim 12 wherein the first signal inputs of the transmission multiplexers are connected to the signal outputs of the reception multiplexers with DC decoupling.

18-26. Cancelled